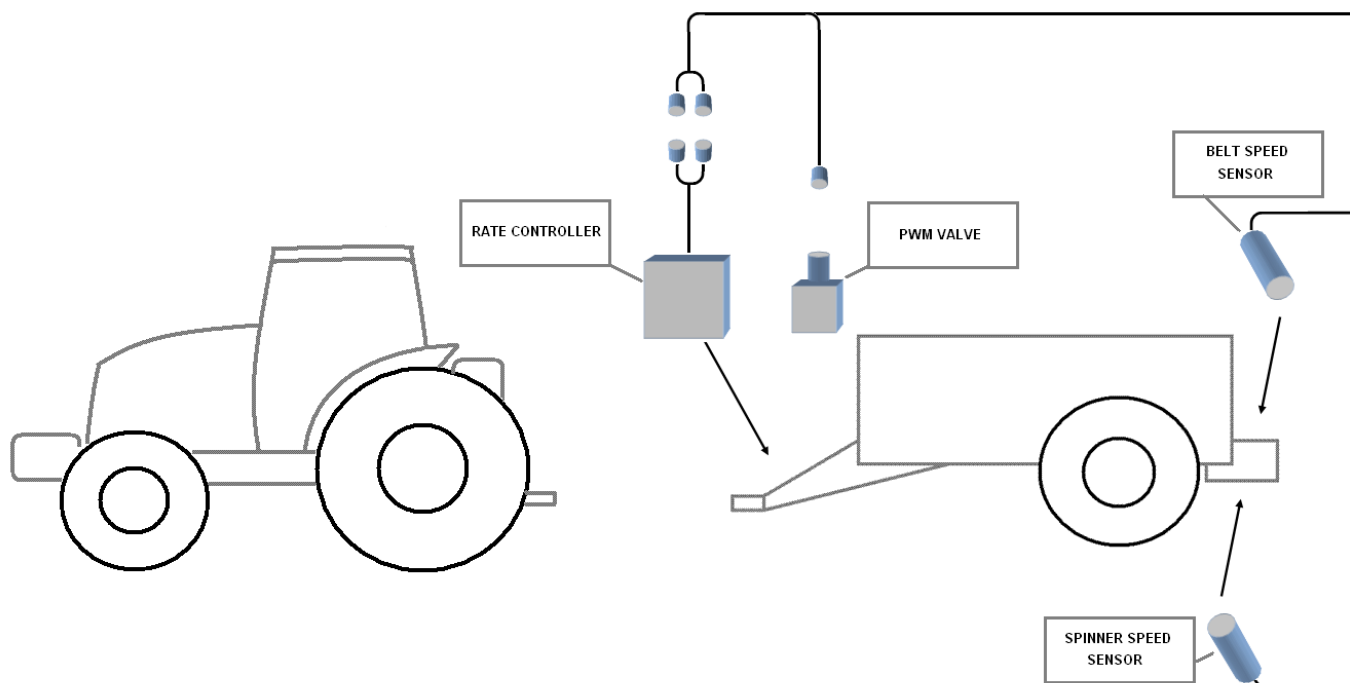


SPREADER RATE CONTROLLER HARNESS HK0107

See your Operators Manual for a complete setup guide. Info here covers important hardware settings only.

OUTLINE

- Basic install shown below
- Rate controller mounted on spreader



CONTROLLER SETTINGS

- Select MENU > RATE CONTROLLER > IMPLEMENT SETUP > BIN1 SETUP
- Enter settings shown below for BIN1 SETUP
- Enter settings shown below for PWM SETTINGS
- Select PRODUCT SETUP > PRODUCT BIN SETUP > BIN1 SETUP
- Enter settings shown below for BIN1 PRODUCT SETUP

Bin 1 Setup	PWM Settings	Bin 1 Product Setup
Conveyor Control Valve Type: PWM Close	Control Valve Calibration: 4511	Product Name: UREA
Conveyor Control Valve Calibration: PWM Settings	Coil Frequency: 122	Feed Gate Opening (cm): 5.0
Conveyor Speed Sensor Calibration: 360	High Limit: 255	CFR (cm ³ /rev): 3000 Calibrate CFR
Heaped Bin Capacity (m ³): 10	Low Limit: 30 Calibrate PWM Limits	

Conveyor Speed Sensor Calibration

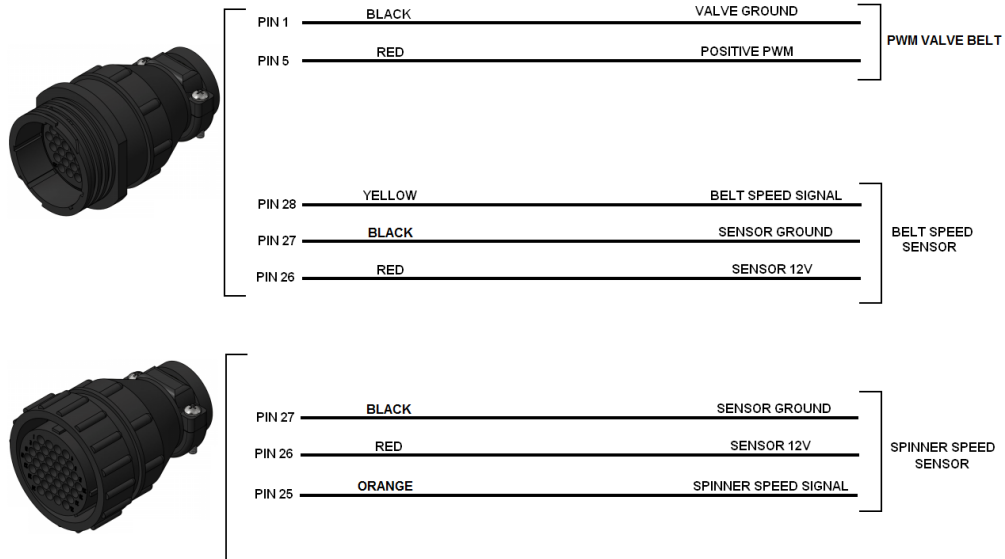
- Is the number of pulses from the sensor, during one revolution of the rear roller (not the whole belt)
- Values between 100 and 1500 perform best

CFR

- Is the cubic cm volume dispensed during one revolution of the rear roller, with the gate at 1cm high
- Values between 1000 and 6000 perform best

HARNES WIRING

- **IMPORTANT:** Belt sensor and spinner sensors are wired to 12volt supplies
- Do not connect them to 5volt sensors/encoders
- Pin26 in the rate controller connectors can be swapped to 5volt supplies if required
- Valve is wired for PWM solenoid valve

CORROSION

Regularly apply corrosion protectant to the connector pins (dielectric grease / electrical silicone spray / marine protectant / water dispersant etc). Contact cleaner will clean the pins but it will not prevent corrosion. Filling the rear of the connector with silicone sealant will trap moisture and cause failure.